

# Power Supply

## SFX 12V 3.21 Version PP Series-180/230/250



### Features

- 5 outputs (-12V, +5V, +3.3V, +12V, 5VSB)
- Low acoustic noise
- High reliability
- Remote On / Off
- Built-in EMI filter
- Thermal fan speed control (Optional) (SFX 3.21)
- Active PFC function (Optional) (SFX 3.21)

### Environment

Operation Temp.	10°C ~ 50°C
Storage Temp.	-20°C ~ +60°C
Storage altitude	sea level to 50000ft
Operating & Storage humidity	10% ~ 95%RH
Operating altitude	sea level to 10000ft

### Specification

Efficiency	> 65% (max. load)
Hold Time	> 17ms (max. load)
Rise Time	< 20ms (max. load)
Short Protection	All outputs
Overvoltage Protection	+5V, +12V, +3.3V






### Input

Voltage Range	90 ~ 135 / 180 ~ 264VAC (slide switch)
Frequency Range	47 ~ 63 Hz

### Mechanical

Dimension : 125(W) x 64(H) x 100(D) mm

### Cables

					
<b>180W-250W</b>	x1	x1	x2	x2	-

Model	180	230	250	
<b>AC</b>	115V 60Hz	4A	6A	7A
<b>Input</b>	230V 50Hz	2A	3A	4A
	+5V	14A	15A	15A
	+3.3V	13A	14A	16A
	+12V	13A	15A	16A
<b>DC Output</b>	+12V1	-	-	-
	+12V2	-	-	-
	-12V	0.3A	0.3A	0.3A
	+5Vsb	2A	2A	2A
<b>+3.3V &amp; 5V MAX</b>	80W	85W	90W	
<b>Max Power</b>	180W	230W	250W	

- Regulation tolerance shall include temperature change, warm up drift and dynamic load.
- Ripple and noise are measured differentially at the supply using load that are each shunted by at least a 0.1uf ceramic disc capacitor and a 10uf electrolytic capacitor bandwidth up to 20 MHz.